

# Cane Creek Tributary Restoration Project

Bemis Community \* Jackson, Tennessee

Tennessee Healthy Watershed Initiative

July 2012

## Before: Pre-Restoration Conditions at Cane Creek

- History of flooding
- Streams channelized
- Wetlands drained

## After: Post-Restoration Conditions at Cane Creek

- + Natural stream meanders
- + Stormwater detention and bio-infiltration swales
- + Wetlands restored
- + Newly planted riparian habitat
- + Live stake nursery
- + Outdoor recreation venue

## Project Benefits at Cane Creek

### Improved Habitat

- ◆ 1,200 feet of channelized habitat improved
- ◆ Two acres of floodplain reforested
- ◆ One acre of floodplain restored as wetland habitat

### Improved Water Quality

#### *Estimated long-term impacts for the watershed:*

- ◆ 35% reduction in total suspended solids (1,500 pounds/year)
- ◆ 20% reduction in total phosphorus (16 pounds/year)
- ◆ 15% reduction in total nitrogen (72 pounds/year)

### Educational Site

- ◆ Citizens learn benefits of stream and habitat restoration
- ◆ Green infrastructure practices control stormwater
- ◆ Live stakes nursery available for community use

Cane Creek Restoration Project is a working model...

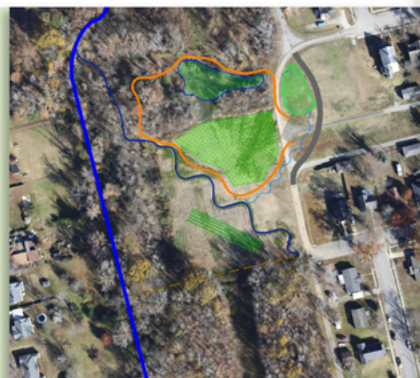
## Restoring streams by eliminating channelization:

- + Promotes less flooding
- + Lowers maintenance costs
- + Increases property value

## Stream restoration creates real benefits:

- + Improves water quality for recreational purposes
- + Stabilizes stream banks
- + Helps remove excess sediment from the stream

[www.tn.gov/environment/thwi](http://www.tn.gov/environment/thwi)



This project was made possible through the efforts of

